



Gulf of Mexico Harmful Algal Bloom Bulletin

13 March 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: March 6, 2006

Conditions Report

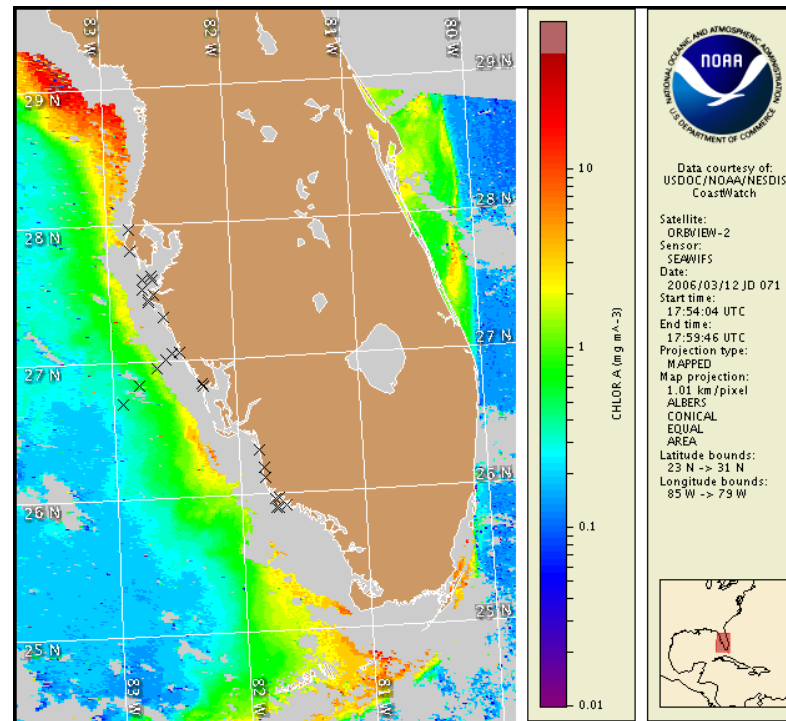
No impacts are expected in any Florida Counties this week. Due to current harmful algal bloom inactivity, bulletins are issued each Monday, until conditions warrant continuance of twice weekly bulletins.

Analysis

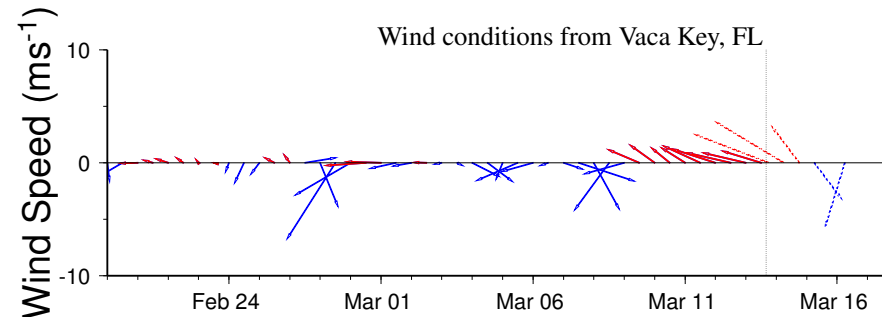
K. brevis was not present in any samples along the coast of Western Florida last week. Recent samples verified that patches of elevated chlorophyll at Boca Grande and Marco Island were due to nonharmful algae (FWRI). Discolored water is possible.

Chlorophyll levels remain elevated throughout much of the Lower Keys. No recent sampling is available. Samples from 3/1 (MML) indicated that *K. brevis* was not present on either gulf or oceanside of the Keys from Cudjoe Key to northeast of Marquesas Keys. Imagery from March 11 reveals the highest concentration of chlorophyll just west of Key West at 24°22.6'N 81°59.9'W. Sampling is recommended. Discolored water is possible from Key West to Marquesas Keys and along the oceanside Lower Keys.

- Stolz, Bronder



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from March 3-8 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



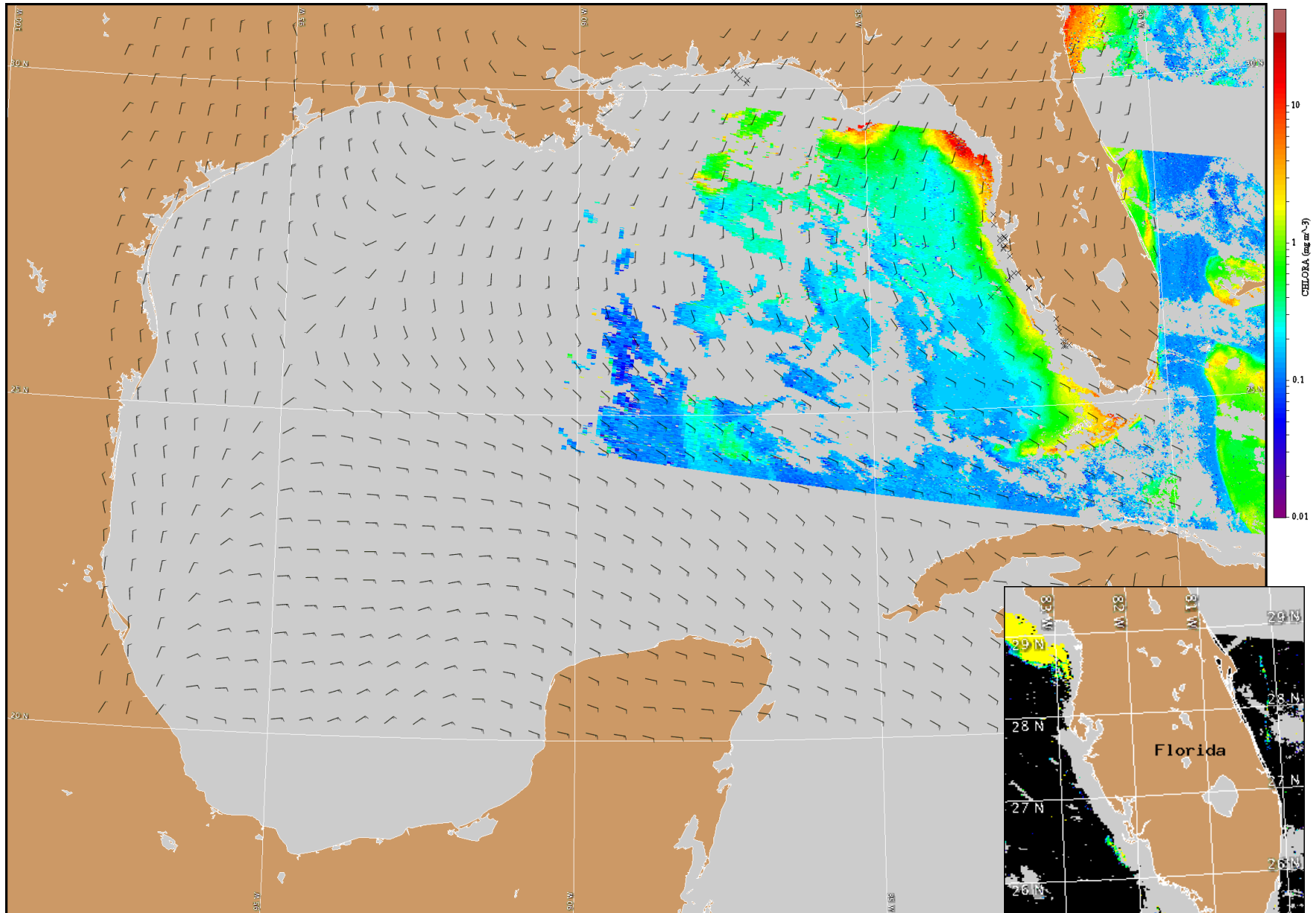
Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Southwesterly to southerly winds today around 5-10 knots (3-5 m/s) becoming northwesterly Tuesday afternoon and northerly Tuesday evening at 10-15 knots (5-8 m/s). Northeasterly winds Wednesday, shifting to the southeast by Thursday. Westerly winds Friday at 5-10 knots (3-5 m/s)

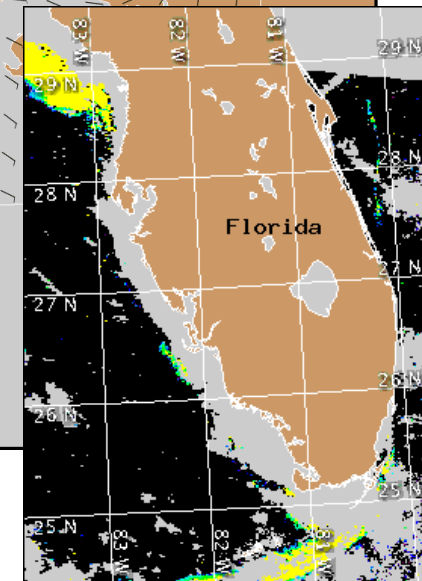
Keys: Southeasterly winds today and tomorrow at 10-15 knots (5-8 m/s), shifting to the northeast by Wednesday. East to southeasterly winds Thursday, and southeast to southerly winds Friday.

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1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for March 14, 2006 06Z with cell concentration sampling data from March 3- 8 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).

